

Name: _____

Date: _____

A2CC: Factoring Practice

Factor each of the following polynomials completely.

1. $121x^2 - 36$

13. $18x^3 + 24x^2 + 6x$

2. $3x^3 - 12x^2 - 36x$

14. $9 - 4x^2$

3. $16x^3 + 128$

15. $9x^2 - 24x - 9$

4. $160x^3 - 810x$

16. $4x^2 - 29x + 30$

5. $x^3 + 2x^2 + x$

17. $(x+2)^2 - (y-3)^2$

6. $24x^3 + 8x^2 + 24x + 8$

18. $8x^3 - 125$

7. $3x^3 + 2x^2 - 3x - 2$

19. $49x^2 - 64y^2$

8. $-x^3 - 8$

20. $ax + ay + by + bx$

9. $x^2 + 18x + 81$

21. $x^4 - 16$

10. $1 - x^3$

22. $-3x - 18 + x^2$

11. $9x^2 + 30x + 25$

23. $2x^3 - 16x^2 + 32x$

12. $6x^2 + x - 1$

24. $x^6 - y^2$